

# TEST UPDATE

## HPV DNA Detection with Genotyping, PCR UVMMC

On 6/25/2024, the UVMMC Laboratory will be changing the platform used for cervical Human Papillomavirus (HPV) testing from the Hologic Panther® to the **Roche cobas® 6800 system**. The reasons for this change are three-fold:

- It simultaneously detects DNA from **14 high-risk HPV (hrHPV) types** and provides 3-in-1 results by individually reporting HPV 16 and 18, as well as a pooled result for hrHPV types 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, and 68, removing the need for reflex genotyping.
- It utilizes a  $\beta$ -globin gene internal control to ensure human cells are present in the sample and prevent reporting false negative results on suboptimal collections.
- It is FDA approved for Primary HPV testing.

An example report is provided for your reference:

HPV DNA Detection with Genotyping, PCR (Final result)			
	Value	Range	Units
<b>HPV other High Risk types, PCR</b>	<b>Positive (A)</b>	Negative	
Positive for one of the following Other High Risk HPV types: 31,33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68. High and intermediate risk HPV types are associated with most squamous intraepithelial lesions and cervical cancers.			
<b>HPV High Risk type 16, PCR</b>	Negative	Negative	
<b>HPV High Risk type 18, PCR</b>	Negative	Negative	
Resulting Lab: UVMMC LAB			
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## HPV DNA Detection with Genotyping, PCR UVMMC

### Test Build Updates:

Updated Order	Epic Code (not ord)	Atlas Code (not ord)	Mayo Access ID	Order LOINC	CPT Code(s)
<i>HPV DNA Detection with Genotyping, PCR</i>	LAB1365	HPVRNA	FAH5475	in process	87624
Result Component(s)	Epic Code	Atlas Code	Mayo Access ID	Result LOINC	Notes
<i>HPV Other High Risk Types, PCR</i>	12301002439	HPVON	FAH5477	44550-2	*
<i>HPV High Risk Type 16, PCR Added</i>	12301002674	H16RES	FAH5857	82456-5	*
<i>HPV High Risk Type 18, PCR Added</i>	12301018870	12301018870	FAH5858	77400-0	*

### \*Current Result Component Names:

Human Papillomavirus (HPV) Detection-High Risk Types

HPV 16 RNA (included in LAB3272, currently)

HPV 18 RNA (included in LAB3272, currently)

Notable Changes:      Update to test name for LAB1365  
                                     Update to the number of result components  
                                     Update to test names for result components

Cervical specimens will continue to be collected in PreservCyt® Solution using a Thin Prep Vial. Products containing carbomer(s), including vaginal lubricants, creams and gels, may interfere with the test and should not be used during or prior to collecting urogenital specimens.

The following test will be replaced by **HPV DNA Detection with Genotyping, PCR (LAB1365)**:

Order to be Discontinued	Epic Code (not ord)	Atlas Code (not ord)	Mayo Access ID	Order LOINC	CPT Code(s)
HPV Genotypes 16 and 18/45, ThinPrep	LAB3272	HP1618	FAH5856	82354-2	87625

For questions of concerns related to this change, please contact the Medical Director of Clinical Chemistry, Dr. Clayton Wilburn ([clayton.wilburn@uvmhealth.org](mailto:clayton.wilburn@uvmhealth.org)).

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